

ARCS PROCEDURE:	TESTING WIRES TO AND FROM SKYRAD DATALOGGER	PRO(DAQS)-009.000
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Testing Wires To and From SKYRAD Datalogger

I. Purpose:

To describe the process for testing wires to and from the SKYRAD datalogger.

II. Cautions and Hazards:

None.

III. Requirements:

None.

IV. Procedure:

A. Steps:

1. Remove A wire end from surge protector and label where it came from so you can put it back where it belongs.
2. Remove B wire end from surge protector and label where it came from so you can put it back where it belongs.
3. Remove C wire end from surge protector and label where it came from so you can put it back where it belongs.
4. Remove D wire end from surge protector and label where it came from so you can put it back where it belongs.
5. Remove cable connected to "Term" connector from SKYRAD datalogger.
6. Measure resistance from A to B and record in table provided.
7. Measure resistance from A to C and record in table provided.
8. Measure resistance from A to D and record in table provided.
9. Measure resistance from B to C and record in table provided.
10. Measure resistance from C to D and record in table provided.
11. Twist A and B wires together.
12. Twist C and D wires together.
13. Go to SKYRAD datalogger.
14. Get ready to read resistance values on pins of cable that was connected to "Term" connector.
15. Measure resistance from pins 3-4 and record in table provided.
16. Measure resistance from pins 3-5 and record in table provided.

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17. Measure resistance from pins 3-6 and record in table provided.
18. Measure resistance from pins 4-5 and record in table provided.
19. Measure resistance from pins 4-6 and record in table provided.
20. Measure resistance from pins 5-6 and record in table provided.
21. Go back to the surge protector outside D-Van.
22. Untwist wires and connect as wired before.
23. Reconnect cable connected to "Term" connector at SKYRAD datalogger.

V. References:

None.

VI. Attachments:

1. Data Tables
2. Surge Protectors Diagram-